

09/17/01
J1042 U.S. PTO

09-20-01

A

Attorney Docket No.: SUN-P6488

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

| | | | |
|---|---------------|---|---------------------|
| I hereby certify that this transmittal of the below described documents is being deposited with the United States Postal Service in an envelope bearing Express Mail Postage and an Express Mail label, with the below serial number, addressed to the Commissioner of Patents and Trademarks, Washington, D.C., 20231, on the below date of deposit. | | | |
| Express Mail Label No.: | EL864469544US | Name of Person Making the Deposit: | Anthony Chou |
| Date of Deposit: | 09/17/01 | Signature of the Person Making the Deposit: | <i>Anthony Chou</i> |

JC986 U.S. PTO
09/17/01
09/955527

Inventor(s): Ebrahim Hashemi

Title: METHOD AND SYSTEM FOR LEVERAGING SPARES IN A DATA STORAGE SYSTEM INCLUDING A PLURALITY OF DISK DRIVES

The Commissioner of Patents and Trademarks
Washington, D.C. 20231
Sir:

Transmittal of a Patent Application
(Under 37 CFR §1.53)

Transmitted herewith is the above identified patent application, including:

- ☒ Specification, claims and abstract, totaling 44 pages.
- ☐ Formal drawings, totaling _____ pages.
- ☒ Informal drawings, totaling 10 pages.
- ☒ Declaration and Power of Attorney.
- ☐ Information Disclosure statement.
- ☐ Form 1449
- ☒ Assignment(s)
- ☒ Assignment Recordation Form (duplicate)
- ☐ Preliminary Amendment
- ☐ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i)
- ☐ Other: _____

FEES DUE

The fees due for filing the specification pursuant to 37 C.F.R. § 1.16 and for recording of the Assignment, if any, are determined as follows:

| CLAIMS | | | | | |
|--|---------------|-----------|--------------|----------|-----------------|
| | NO. OF CLAIMS | | EXTRA CLAIMS | RATE | FEES |
| Basic Application Fee | | | | | \$710.00 |
| Total Claims | 21 | Minus 20= | 1 | X \$18 = | \$18.00 |
| Independent Claims | 3 | Minus 3= | 0 | X \$80= | \$0.00 |
| If multiple dependent claims are presented, add \$260.00 | | | | | \$0.00 |
| Add Assignment Recording Fee of \$40.00 If Assignment document is enclosed | | | | | \$40.00 |
| TOTAL APPLICATION FEE DUE | | | | | \$768.00 |

PAYMENT OF FEES

The full fee due in connection with this communication is provided as follows:

1. Not enclosed
 - ☐ No filing fee is to be paid at this time.
2. Enclosed
 - ☒ Filing fee
 - ☒ Recording assignment
 - ☐ Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached
 - ☐ For processing an application with specification in a non-English language
 - ☐ Processing and retention fee
 - ☐ Fee for international-type search report
 - ☒ The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No.: 23-0085. A duplicate copy of this authorization is enclosed.
 - ☒ A check in the amount of \$768.00
 - ☐ Charge any fees required or credit any overpayments associated with this filing to Deposit Account No.: 23-0085.

This application is filed pursuant to 37 C.F.R. § 1.53 in the name of the above-identified Inventor(s).

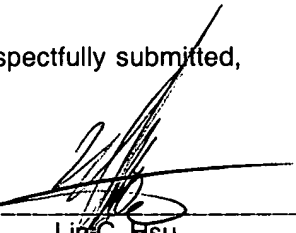
Please direct all correspondence concerning the above-identified application to the following address:

WAGNER, MURABITO & HAO LLP
Two North Market Street, Third Floor
San Jose, California 95113
(408) 938-9060

- ☒ This transmittal ends with this page.

Respectfully submitted,

Date: 17 September 2001

By: 
Lin C. Hsu
Reg. No. 46,315

09/18/01

JC853 U.S. PTO

Express Mail Mailing Label EL825370499US

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. CCI-004
First Named Inventor Fitzgerald
Title Method and System to Detect Software Faults

APPLICATION ELEMENTS

ADDRESS TO: **Box Patent Application**
Assistant Commissioner for Patents
Washington, D.C. 20231

1. ☒ Fee Transmittal Form
2. ☒ Small Entity Status
☒ Applicant claims small entity status
☐ Status established in prior application and is still proper and desired
3. ☒ Specification and Drawings [Total Pages 21]
 - Written Description - (10 pages)
 - Claims - (3 pages)
 - Abstract - (1 page)
 - Sheets of Drawings - (7 sheets)
☐ Formal
☒ Informal
4. ☒ Oath or Declaration [Total Pages 3]
 a. ☒ Newly executed (original)
 b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
5. ☐ Incorporation by Reference (usable if Box 4b is checked)
 The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☒ Application Data Sheet
7. ☐ Nucleotide and/or Amino Acid Sequence Submission
☐ Computer Readable Copy
☐ Paper Copy (identical to computer copy)
☐ CD (identical to computer copy)
☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
☐ Power of Attorney
9. ☐ English Translation Document *(if applicable)*
10. ☐ Information Disclosure Statement (IDS)/PTO-1449
☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
☐ Drawings [Total Sheets]
☐ Letter to Official Draftsperson Including Drawings [Total Pages]
12. ☒ Return Receipt Postcard
13. ☐ Certified Copy of Priority Document(s)
14. ☐ Deletion of Inventor(s)
 Signed statement attached deleting inventor(s) named in the prior application.
15. ☐ CD in duplicate for large table or computer program.
16. ☐ Other:

17. ☐ If a CONTINUING APPLICATION, amend the specification by inserting on page 1, before the first line, the sentence:
 --This is a ☐ continuation ☐ divisional ☐ continuation-in-part of prior application Serial No. / , filed on , the entire disclosure of which is incorporated by reference herein.--

Priority to the above application(s) is claimed under 35 U.S.C. 120.

Prior application information: Examiner: . Group/Art Unit: .

18. ☐ Priority - 35 U.S.C. 119

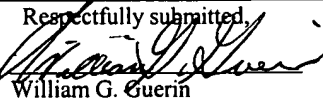
- ☐ Priority of application Serial No. filed on , in the United States is claimed under 35 U.S.C. 119.
☐ The certified copy has been filed in prior U.S. application Serial No. / on .
☐ The certified copy will follow.

CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110
 Tel. No.: (617) 248-7000
 Fax No.: (617) 248-7100

SIGNATURE BLOCK

Date: September 18, 2001
 Reg. No. 41,047
 Tel. No.: (617) 248-7074
 Fax No.: (617) 248-7100

Respectfully submitted,

 William G. Guerin
 Attorney for Applicant(s)
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110

FEE TRANSMITTAL

FY 2001

Complete if Known

| | |
|---------------------------|------------------|
| Application Serial Number | Not Yet Assigned |
| Filing Date | Herewith |
| First Named Inventor | Fitzgerald |
| Group Art Unit | Not Yet Assigned |
| Examiner Name | Not Yet Assigned |
| Attorney Docket No. | CCI-004 |

METHOD OF PAYMENT

1. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other

2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.
☐ Required Fees (copy of this sheet enclosed).
☒ Additional fee required under 37 CFR 1.16 and 1.17.
☒ Overpayment Credit.
3. ☐ Applicant claims small entity status.

FEE CALCULATION

1. FILING FEE

Large Entity

| Fee (\$) | Fee Description | Fee Paid |
|----------|------------------------|----------|
| 710 | Utility filing fee | 710 |
| 320 | Design filing fee | |
| 150 | Provisional filing fee | |

| | Number Filed | Number Extra | Rate | Amount |
|--------------|--------------|--------------|--------------|--------|
| Total Claims | 22 | - 20 = 2 | x \$ 18.00 = | 36.00 |

| | Number Filed | Number Extra | Rate | Amount |
|--------------------|--------------|--------------|--------------|--------|
| Independent Claims | 3 | - 3 = 0 | x \$ 80.00 = | 0 |

☐ Multiple Dependent Claim(s), if any \$270.00 = 0

TOTAL: 746.00

SMALL ENTITY DISCOUNT: 373.00

SUBTOTAL (1) (\$ 373.00)

2. AMENDMENT CLAIM FEES

| Claims Remaining After Amend. | Highest No. Previously Paid For | Present Extra | Rate | Fee Paid |
|-------------------------------|---------------------------------|---------------|------|----------|
|-------------------------------|---------------------------------|---------------|------|----------|

| | | | | |
|-------|---|---|--------------|--|
| Total | - | = | x \$ 18.00 = | |
|-------|---|---|--------------|--|

| | | | | |
|--------|---|---|--------------|--|
| Indep. | - | = | x \$ 80.00 = | |
|--------|---|---|--------------|--|

☐ First Presentation of Multiple Dep. Claim + \$270.00 =

TOTAL: (\$0)

SMALL ENTITY DISCOUNT: (\$0)

SUBTOTAL (2) (\$0)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-----------------------|-----------------------|--|----------|
| 130 | 65 | Surcharge - late filing fee or oath | |
| 50 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 130 | 130 | Non-English specification | |
| 2,520 | 2,520 | For filing a request for reexamination | |
| 110 | 55 | Extension for reply within first month | |
| 390 | 195 | Extension for reply within second month | |
| 890 | 445 | Extension for reply within third month | |
| 1,390 | 695 | Extension for reply within fourth month | |
| 1,890 | 945 | Extension for reply within fifth month | |
| 310 | 155 | Notice of Appeal | |
| 310 | 155 | Filing a brief in support of an appeal | |
| 270 | 135 | Request for oral hearing | |
| 130 | 130 | Petitions to the Commissioner | |
| 50 | 50 | Petitions related to provisional applications | |
| 180 | 180 | Submission of Information Disclosure Statement | |
| 710 | 355 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 710 | 355 | For each additional invention to be examined (37 CFR 1.129(b)) | |

Other fee (Specify)

Other fee (Specify)

SUBTOTAL (3) (\$ 0)

SUBTOTAL (1) 373.00

SUBTOTAL (2) 0

SUBTOTAL (3) 0

TOTAL (\$ 373.00)

CORRESPONDENCE ADDRESS

Direct all correspondence to:

Patent Administrator
 Testa, Hurwitz & Thibault, LLP
 High Street Tower-125 High Street
 Boston, MA 02110
 Tel. No.: (617) 248-7000
 Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted

Date: September 18, 2001
 Reg. No.: 41,047
 Tel. No.: (617) 248-7074
 Fax No.: (617) 248-7100

William G. Guerin
 Attorney for the Applicants
 Testa, Hurwitz & Thibault, LLP
 High Street Tower-125 High Street
 Boston, MA 02110